



Attorney Docket No. Le A 33 861

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT
RECEIVED

NOV 20 2002

TECH CENTER 1600/2900

Re application of: Lerchen, et al.

Group No.: 1646

Serial No.: 10/070,208

Examiner:

Filed: 06/27/2002

For: "Integrin-Mediated Drug Targeting"

CERTIFICATION OF MAILING UNDER 37 C.F.R. 1.8(a)

I hereby certify that this correspondence and any papers referred to as attached are being deposited, on the date shown below, with the United States Postal Service, with sufficient postage, as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: NOV 13 2002

Marileen Choudhary
Signature of Person Certifying

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. 1.97(b))**

Dear Sir:

Applicants wish to cite for the record in the above-identified application the references shown on the accompanying copy of PTO form 1449.

**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement transmitted herewith is being filed **before** the mailing date of the first Office action on the merits.

FEE PAYMENT

Applicants believe that no fees are due with this submission. However, the Commissioner is hereby authorized to charge any fees that may have been overlooked but that are required to Deposit Account 13-3372. Additionally, please credit any overpayment to the same account.

Respectfully submitted,

Jerrie L. Chiu

Jerrie L. Chiu
Attorney for Applicant(s)
Bayer Corporation
400 Morgan Lane
West Haven, CT 06516

Reg. No. 41,670

Telephone: (203) 812-3964

Date:

Nov. 12, 2002

BEST AVAILABLE COPY

NOV 18 2002

Form PTO-14
(modified)U.S. Department of Commerce
Patent and Trademark OfficeSerial No.
10 070,208Group Art Unit
1646Filing Date
06 27 2002Atty. Docket No.
Le A 33 861SUPPLEMENTAL
INFORMATION DISCLOSURE CITATION

Applicant(s) Lerchen, et al.

RECEIVED

NOV 20 2002

U.S. PATENT DOCUMENTS

TECH CENTER 1600/2900

| TECH CENTER 1000/2500 | | | | | | | | | | | | | |
|-----------------------|--------------|---|---|---|---|---|---|---|------------------|--------------------------|-------|---------------|----------------------------------|
| * | DOCUMENT NO. | | | | | | | | DATE MM/DD/YY | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
| | U1 | 4 | 9 | 7 | 5 | 2 | 7 | 8 | 12/04/90 | Senter, et al. | 424 | 94.3 | 06 29 88 |
| | U2 | 4 | 9 | 4 | 3 | 5 | 7 | 9 | 07/24/90 | Vishnuvajjala, et al. | 514 | 283 | 10 06 87 |
| | U3 | 6 | 2 | 7 | 1 | 3 | 4 | 2 | 08/07/01 | Lerchen, et al. | 530 | 322 | 09 25 97 |
| | U4 | 4 | 7 | 5 | 7 | 0 | 7 | 2 | 07/12/88 | Kabbe, et al. | 514 | 257 | 03 17 87 |
| | U5 | 4 | 9 | 8 | 0 | 3 | 4 | 3 | 12/25/90 | Stella, et al. | 514 | 18 | 06 20 89 |
| | U6 | 5 | 4 | 6 | 4 | 7 | 9 | 6 | 11/07/95 | Petersen, et al. | 514 | 312 | 06 11 92 |
| | U7 | 5 | 9 | 5 | 5 | 1 | 0 | 0 | 09/21/99 | Bosslet, et al. | 424 | 450 | 05/24/95 |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NO. | | | | | | | DATE DD/MM/YY | COUNTRY | PRIMARY CLASS | SUB- CLASS | TRANSLATION | |
|--|--------------|---|---|---|---|---|---|------------------|----------|------------------|---------------|-------------|----|
| | F2 | 9 | 4 | 0 | 5 | 6 | 8 | 1 | 17/03/94 | WO | | YES | NO |
| | F3 | 0 | 5 | 1 | 1 | 9 | 1 | 7 | 04/11/92 | EP | | | |
| | F4 | 8 | 8 | 0 | 7 | 3 | 7 | 8 | 06 10 88 | WO | | | |
| | F5 | 9 | 6 | 0 | 2 | 5 | 4 | 6 | 01 02 96 | WO | | | |
| | F6 | 9 | 8 | 1 | 0 | 7 | 9 | 5 | 19/03/98 | WO | | | |

EXAMINER

DATE CONSIDERED



| | | | | | | | | | |
|-----|---|---|---|---|---|---|---|----------|----|
| F7 | 0 | 5 | 0 | 1 | 2 | 5 | 0 | 02/09/92 | EP |
| F8 | 0 | 5 | 9 | 5 | 1 | 3 | 3 | 04/05/94 | EP |
| F9 | 9 | 2 | 1 | 2 | 1 | 4 | 6 | 23/07/92 | WO |
| F10 | 0 | 5 | 1 | 6 | 8 | 6 | 1 | 09/12/92 | EP |

RECEIVED

NOV 20 2002

TECH CENTER 1600/2900

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|-----|---|
| R17 | Ashwell, G., Harford, J., "Carbohydrate-Specific Receptors of the Liver", Ann. Rev. Biochem., <u>51</u> : 531-554 (1982) |
| R18 | Aminoff, D., Bruegge, W., Bell, W., Sarpolis, K., Williams, R., "Role of Sialic Acid in Survival of Erythrocytes in the Circulation: Interaction of Neuraminidase-Treated and Untreated Erythrocytes With Spleen and Liver at the Cellular Level", Proc. Natl. Acad. Sci. USA, <u>74</u> : 1521-1524 (April 1977) |
| R19 | Haltiwanger, R., Lehrman, M., Eckhardt, A., Hill, R., "The Distribution and Localization of the Fucose-Binding Lectin in Rat Tissues and the Identification of a High Affinity Form of the Mannose/N-Acetylglucosamine-Binding Lectin in Rat Liver", J. of Biol. Chem., <u>261</u> : 7433-7439 (June 1986) |
| R20 | Jansen, R., Molema, G., Ching, T., Oosting, R., Harms, G., Moolenaar, F., Hardonk, M., Meijer, D., "Hepatic Endocytosis of Various Types of Mannose-Terminated Albumins", J. of Biol. Chem., <u>266</u> : 3343-3348 (Feb., 1991) |
| R21 | Wall, M., Wani, M., Cook, C., Palmer, K., McPhail, A., Sim, G., "Plant Antitumor Agents. I. The Isolation and Structure of Camptothecin, A Novel Alkaloidal Leukemia and Tumor Inhibitor from Camptotheca Acuminata", J. of Am. Chem. Society, <u>88</u> : 3888-3890 (August 1966) |
| R22 | Brooks, P., Montgomery, A., Rosenfeld, M., Reisfeld, R., Hu, T., Klier, G., Cheresch, D., "Integrin $\alpha\beta_3$ Antagonists Promote Tumor Regression by Inducing Apoptosis of Angiogenic Blood Vessels", Cell, <u>79</u> : 1157-1164 (Dec., 1994) |
| R23 | Brooks, P., Stromblad, S., Klemke, R., Visscher, D., Sarkar, F., Cheresch, D., "Antiintegrin $\alpha\beta_3$ Blocks Human Breast Cancer Growth and Angiogenesis in Human Skin", J. Clin. Invest., <u>96</u> : 1815-1822 (Oct., 1995) |
| R24 | Fitzpatrick, J., Garnett, M., "Design, Synthesis and In Vitro Testing of Methotrexate Carrier Conjugates Linked Via Oligopeptide Spacers", Anti-Cancer Drug Design, <u>10</u> : 1-9 (1995) |
| R25 | Gabius, H., "Endogene Lektine in Tumoren Und Ihre Mogliche Bedeutung Fur Diagnose Und Therapie Von Krebserkrankungen", Onkologie, <u>12</u> : 175-181 (April 1989) |

| | |
|---|-----------------|
| DATE RECEIVED | DATE CONSIDERED |
| SEARCHED INDEXED SERIALIZED FILED | |
| conformance and not considered. Include copy of this form with next communication to applicant. | |